

PCT

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REQUEST

10/524452  
For receiving Office use only

PCT/US

03/25614

(15.08.03)

International Filing Date

15 AUG 2003

PCT INTERNATIONAL  
APPLICATION RO/US

Name of receiving Office and "PCT International Application"

Applicant's or agent's file reference  
(if desired) (12 characters maximum) 03482.00010

Box No. I TITLE OF INVENTION  
BRAIN ENDOTHELIAL CELL EXPRESSION PATTERNS

Box No. II APPLICANT  This person is also inventor

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

GENZYME CORPORATION  
One Mountain Road  
Framingham, Massachusetts 01701  
United States of America

Telephone No.

Facsimile No.

Teleprinter No.

Applicant's registration No. with the Office

State (that is, country) of nationality:  
US

State (that is, country) of residence:  
US

This person is applicant  all designated States  all designated States except the United States of America  the United States of America only  the States indicated in the Supplemental Box

Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

THE JOHNS HOPKINS UNIVERSITY  
100 N. Charles Street  
5th Floor  
Baltimore, Maryland 21201  
United States of America

This person is:

applicant only

applicant and inventor

inventor only (If this check-box is marked, do not fill in below.)

Applicant's registration No. with the Office

State (that is, country) of nationality:  
US

State (that is, country) of residence:  
US

This person is applicant  all designated States  all designated States except the United States of America  the United States of America only  the States indicated in the Supplemental Box

Further applicants and/or (further) inventors are indicated on a continuation sheet.

Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE

The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:

agent

common representative

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

KAGAN, Sarah A.  
BANNER & WITCOFF, LTD.  
11th Floor  
1001 G Street, NW  
Washington, D.C. 20001-4597  
United States of America

Telephone No.  
(202) 824 3000

Facsimile No.  
(202) 824 3001

Teleprinter No.

Agent's registration No. with the Office  
32,141

Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

BEST AVAILABLE COPY

## Continuation of Box No. III FURTHER APPLICANTS AND/OR (FURTHER) INVENTOR(S)

If none of the following sub-boxes is used, this sheet should not to be included in the request.

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

MADDEN, Stephen I.  
137 Nobscot Road  
Sudbury, Massachusetts 01776  
United States of America

This person is:

- applicant only  
 applicant and inventor  
 inventor only (If this check-box is marked, do not fill in below.)

Applicant's registration No. with the Office

State (that is, country) of nationality:  
USState (that is, country) of residence:  
US

This person is applicant  all designated  all designated States except  the United States of America  the United States of America only  the States indicated in the Supplemental Box for the purposes of:

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

WANG, Clarence J.  
10 Freeman Street  
#2  
Arlington, Massachusetts 02474  
United States of America

This person is:

- applicant only  
 applicant and inventor  
 inventor only (If this check-box is marked, do not fill in below.)

Applicant's registration No. with the Office

State (that is, country) of nationality:  
USState (that is, country) of residence:  
US

This person is applicant  all designated  all designated States except  the United States of America  the United States of America only  the States indicated in the Supplemental Box for the purposes of:

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

COOK, Brian P.  
6 Hoover Road  
Northboro, Massachusetts 01532  
United States of America

This person is:

- applicant only  
 applicant and inventor  
 inventor only (If this check-box is marked, do not fill in below.)

Applicant's registration No. with the Office

State (that is, country) of nationality:  
USState (that is, country) of residence:  
US

This person is applicant  all designated  all designated States except  the United States of America  the United States of America only  the States indicated in the Supplemental Box for the purposes of:

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

LATTERA, John  
c/o Johns Hopkins University  
100 N. Charles Street  
5th Floor  
Baltimore, Maryland 21201  
United States of America

This person is:

- applicant only  
 applicant and inventor  
 inventor only (If this check-box is marked, do not fill in below.)

Applicant's registration No. with the Office

State (that is, country) of nationality:  
USState (that is, country) of residence:  
US

This person is applicant  all designated  all designated States except  the United States of America  the United States of America only  the States indicated in the Supplemental Box for the purposes of:

Further applicants and/or (further) inventors are indicated on another continuation sheet.

RENT AVAILABLE COPY

## Continuation of Box No. III FURTHER APPLICANTS AND/OR (FURTHER) INVENTOR(S)

If none of the following sub-boxes is used, this sheet should not to be included in the request.

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

WALTER, Kevin  
University of Pittsburgh  
Suite B-400  
200 Lothrop Street  
Pittsburgh, PA 15213  
United States of America

This person is:

- applicant only  
 applicant and inventor  
 inventor only (If this check-box is marked, do not fill in below.)

Applicant's registration No. with the Office

State (that is, country) of nationality:  
USState (that is, country) of residence:  
US

This person is applicant  all designated States  all designated States except the United States of America  the United States of America only  the States indicated in the Supplemental Box

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This person is:

- applicant only  
 applicant and inventor  
 inventor only (If this check-box is marked, do not fill in below.)

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State (that is, country) of residence:

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This person is:

- applicant only  
 applicant and inventor  
 inventor only (If this check-box is marked, do not fill in below.)

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This person is:

- applicant only  
 applicant and inventor  
 inventor only (If this check-box is marked, do not fill in below.)

Applicant's registration No. with the Office

State (that is, country) of nationality:

State (that is, country) of residence:

This person is applicant  all designated States  all designated States except the United States of America  the United States of America only  the States indicated in the Supplemental Box

Further applicants and/or (further) inventors are indicated on another continuation sheet.

## Box No.V DESIGNATION OF STATES

Mark the applicable check-boxes below; at least one must be marked.

The following designations are hereby made under Rule 4.9(a):

## Regional Patent

- AP** **ARIPO Patent:** GH Ghana, GM Gambia, KE Kenya, LS Lesotho, MW Malawi, MZ Mozambique, SD Sudan, SL Sierra Leone, SZ Swaziland, TZ United Republic of Tanzania, UG Uganda, ZM Zambia, ZW Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT (if other kind of protection or treatment desired, specify on dotted line) .....
- EA** **Eurasian Patent:** AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of EA .....
- EP** **European Patent:** AT Austria, BE Belgium, BG Bulgaria, CH & LI Switzerland and Liechtenstein, CY Cyprus, CZ Czech Republic, DE Germany, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, SE Sweden, SI Slovenia, SK Slovakia, TR Turkey, and any other State which is a Contracting State of the European Patent Convention and of the PCT .....
- OA** **OAPI Patent:** BF Burkina Faso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon, GA Gabon, GN Guinea, GQ Equatorial Guinea, GW Guinea-Bissau, ML Mali, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (if other kind of protection or treatment desired, specify on dotted line) .....

## National Patent (if other kind of protection or treatment desired, specify on dotted line):

- |  |   |  |
|--|---|--|
| <input checked="" type="checkbox"/> <b>AE</b> United Arab Emirates .....                   | <input checked="" type="checkbox"/> <b>GM</b> Gambia .....                                    | <input checked="" type="checkbox"/> <b>NZ</b> New Zealand .....                      |
| <input checked="" type="checkbox"/> <b>AG</b> Antigua and Barbuda .....                    | <input checked="" type="checkbox"/> <b>HR</b> Croatia .....                                   | <input checked="" type="checkbox"/> <b>OM</b> Oman .....                             |
| <input checked="" type="checkbox"/> <b>AL</b> Albania .....                                | <input checked="" type="checkbox"/> <b>HU</b> Hungary .....                                   | <input checked="" type="checkbox"/> <b>PH</b> Philippines .....                      |
| <input checked="" type="checkbox"/> <b>AM</b> Armenia .....                                | <input checked="" type="checkbox"/> <b>ID</b> Indonesia .....                                 | <input checked="" type="checkbox"/> <b>PL</b> Poland .....                           |
| <input checked="" type="checkbox"/> <b>AT</b> Austria .....                                | <input checked="" type="checkbox"/> <b>IL</b> Israel .....                                    | <input checked="" type="checkbox"/> <b>PT</b> Portugal .....                         |
| <input checked="" type="checkbox"/> <b>AU</b> Australia .....                              | <input checked="" type="checkbox"/> <b>IN</b> India .....                                     | <input checked="" type="checkbox"/> <b>RO</b> Romania .....                          |
| <input checked="" type="checkbox"/> <b>AZ</b> Azerbaijan .....                             | <input checked="" type="checkbox"/> <b>IS</b> Iceland .....                                   | <input checked="" type="checkbox"/> <b>RU</b> Russian Federation .....               |
| <input checked="" type="checkbox"/> <b>BA</b> Bosnia and Herzegovina .....                 | <input checked="" type="checkbox"/> <b>JP</b> Japan .....                                     |  |
| <input checked="" type="checkbox"/> <b>BB</b> Barbados .....                               | <input checked="" type="checkbox"/> <b>KE</b> Kenya .....                                     | <input checked="" type="checkbox"/> <b>SC</b> Seychelles .....                       |
| <input checked="" type="checkbox"/> <b>BG</b> Bulgaria .....                               | <input checked="" type="checkbox"/> <b>KG</b> Kyrgyzstan .....                                | <input checked="" type="checkbox"/> <b>SD</b> Sudan .....                            |
| <input checked="" type="checkbox"/> <b>BR</b> Brazil .....                                 | <input checked="" type="checkbox"/> <b>KP</b> Democratic People's Republic of Korea .....     | <input checked="" type="checkbox"/> <b>SE</b> Sweden .....                           |
| <input checked="" type="checkbox"/> <b>BY</b> Belarus .....                                | <input checked="" type="checkbox"/> <b>KR</b> Republic of Korea .....                         | <input checked="" type="checkbox"/> <b>SG</b> Singapore .....                        |
| <input checked="" type="checkbox"/> <b>BZ</b> Belize .....                                 | <input checked="" type="checkbox"/> <b>KZ</b> Kazakhstan .....                                | <input checked="" type="checkbox"/> <b>SK</b> Slovakia .....                         |
| <input checked="" type="checkbox"/> <b>CA</b> Canada .....                                 | <input checked="" type="checkbox"/> <b>LC</b> Saint Lucia .....                               | <input checked="" type="checkbox"/> <b>SL</b> Sierra Leone .....                     |
| <input checked="" type="checkbox"/> <b>CH &amp; LI</b> Switzerland and Liechtenstein ..... | <input checked="" type="checkbox"/> <b>LK</b> Sri Lanka .....                                 | <input checked="" type="checkbox"/> <b>TJ</b> Tajikistan .....                       |
| <input checked="" type="checkbox"/> <b>CN</b> China .....                                  | <input checked="" type="checkbox"/> <b>LR</b> Liberia .....                                   | <input checked="" type="checkbox"/> <b>TM</b> Turkmenistan .....                     |
| <input checked="" type="checkbox"/> <b>CO</b> Colombia .....                               | <input checked="" type="checkbox"/> <b>LS</b> Lesotho .....                                   | <input checked="" type="checkbox"/> <b>TN</b> Tunisia .....                          |
| <input checked="" type="checkbox"/> <b>CR</b> Costa Rica .....                             | <input checked="" type="checkbox"/> <b>LT</b> Lithuania .....                                 | <input checked="" type="checkbox"/> <b>TR</b> Turkey .....                           |
| <input checked="" type="checkbox"/> <b>CU</b> Cuba .....                                   | <input checked="" type="checkbox"/> <b>LU</b> Luxembourg .....                                | <input checked="" type="checkbox"/> <b>TT</b> Trinidad and Tobago .....              |
| <input checked="" type="checkbox"/> <b>CZ</b> Czech Republic .....                         | <input checked="" type="checkbox"/> <b>LV</b> Latvia .....                                    |  |
| <input checked="" type="checkbox"/> <b>DE</b> Germany .....                                | <input checked="" type="checkbox"/> <b>MA</b> Morocco .....                                   | <input checked="" type="checkbox"/> <b>TZ</b> United Republic of Tanzania .....      |
| <input checked="" type="checkbox"/> <b>DK</b> Denmark .....                                | <input checked="" type="checkbox"/> <b>MD</b> Republic of Moldova .....                       | <input checked="" type="checkbox"/> <b>UA</b> Ukraine .....                          |
| <input checked="" type="checkbox"/> <b>DM</b> Dominica .....                               |   | <input checked="" type="checkbox"/> <b>UG</b> Uganda .....                           |
| <input checked="" type="checkbox"/> <b>DZ</b> Algeria .....                                | <input checked="" type="checkbox"/> <b>MG</b> Madagascar .....                                | <input checked="" type="checkbox"/> <b>US</b> United States of America .....         |
| <input checked="" type="checkbox"/> <b>EC</b> Ecuador .....                                | <input checked="" type="checkbox"/> <b>MK</b> The former Yugoslav Republic of Macedonia ..... | <input checked="" type="checkbox"/> <b>UZ</b> Uzbekistan .....                       |
| <input checked="" type="checkbox"/> <b>EE</b> Estonia .....                                |   | <input checked="" type="checkbox"/> <b>VC</b> Saint Vincent and the Grenadines ..... |
| <input checked="" type="checkbox"/> <b>ES</b> Spain .....                                  | <input checked="" type="checkbox"/> <b>MN</b> Mongolia .....                                  | <input checked="" type="checkbox"/> <b>VN</b> Viet Nam .....                         |
| <input checked="" type="checkbox"/> <b>FI</b> Finland .....                                | <input checked="" type="checkbox"/> <b>MW</b> Malawi .....                                    | <input checked="" type="checkbox"/> <b>YU</b> Yugoslavia .....                       |
| <input checked="" type="checkbox"/> <b>GB</b> United Kingdom .....                         | <input checked="" type="checkbox"/> <b>MX</b> Mexico .....                                    | <input checked="" type="checkbox"/> <b>ZA</b> South Africa .....                     |
| <input checked="" type="checkbox"/> <b>GD</b> Grenada .....                                | <input checked="" type="checkbox"/> <b>MZ</b> Mozambique .....                                | <input checked="" type="checkbox"/> <b>ZM</b> Zambia .....                           |
| <input checked="" type="checkbox"/> <b>GE</b> Georgia .....                                | <input checked="" type="checkbox"/> <b>NO</b> Norway .....                                    | <input checked="" type="checkbox"/> <b>ZW</b> Zimbabwe .....                         |
| <input checked="" type="checkbox"/> <b>GH</b> Ghana .....                                  |   |  |

Check-boxes below reserved for designating States which have become party to the PCT after issuance of this sheet:

- |  |  |                                |
|--|--|--------------------------------|
| <input checked="" type="checkbox"/> <b>NI</b> Nicaragua .....        | <input checked="" type="checkbox"/> <b>SY</b> Syrian Arab Republic ..... | <input type="checkbox"/> ..... |
| <input checked="" type="checkbox"/> <b>PG</b> Papua New Guinea ..... | <input type="checkbox"/> .....   | <input type="checkbox"/> ..... |

**Precautionary Designation Statement:** In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)

## Box No. VI PRIORITY CLAIM

PCT/US03/25614

The priority of the following earlier application(s) is hereby claimed:

| Filing date<br>of earlier application<br>(day/month/year) | Number<br>of earlier application | Where earlier application is:                        |                        |  |
|---|----------------------------------|--|------------------------|--|
|   |                                  | national application:<br>country or Member<br>of WTO | regional application:* | international application:<br>receiving Office |
| item (1)<br>15 August 2002<br>(15.08.02)                  | 60/403,390                       | US   |                        |  |
| item (2)<br>01 April 2003<br>(01.04.03)                   | 60/458,978                       | US   |                        |  |
| item (3)  |                                  |  |                        |  |
| item (4)  |                                  |  |                        |  |
| item (5)  |                                  |  |                        |  |

 Further priority claims are indicated in the Supplemental Box.

The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) (only if the earlier application was filed with the Office which for the purposes of this international application is the receiving Office) identified above as:

all items  item (1)  item (2)  item (3)  item (4)  item (5)  other, see  
Supplemental Box

\* Where the earlier application is an ARIPO application, indicate at least one country party to the Paris Convention for the Protection of Industrial Property or one Member of the World Trade Organization for which that earlier application was filed (Rule 4.10(b)(ii)): .....

## Box No. VII INTERNATIONAL SEARCHING AUTHORITY

Choice of International Searching Authority (ISA) (if two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):

ISA/ US.....

Request to use results of earlier search; reference to that search (if an earlier search has been carried out by or requested from the International Searching Authority):

Date (day/month/year) Number Country (or regional Office)

## Box No. VIII DECLARATIONS

The following declarations are contained in Boxes Nos. VIII (i) to (v) (mark the applicable check-boxes below and indicate in the right column the number of each type of declaration):

Number of declarations

- |   |  |   |
|---|--|---|
| <input type="checkbox"/> Box No. VIII (i)   | Declaration as to the identity of the inventor   | : |
| <input type="checkbox"/> Box No. VIII (ii)  | Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent             | : |
| <input type="checkbox"/> Box No. VIII (iii) | Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application | : |
| <input type="checkbox"/> Box No. VIII (iv)  | Declaration of inventorship (only for the purposes of the designation of the United States of America)                               | : |
| <input type="checkbox"/> Box No. VIII (v)   | Declaration as to non-prejudicial disclosures or exceptions to lack of novelty   | : |

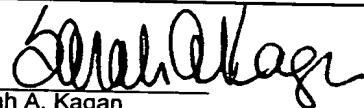
## Box No. IX CHECK LIST; LANGUAGE OF FILING

PCT/US2003/050017

|  |            |                 |
|--|------------|-----------------|
| This international application contains:   |            | Number of items |
| (a) in paper form, the following number of sheets:   |            |                 |
| request (including declaration sheets)   | 6          |                 |
| description (excluding sequence listings and/or tables related thereto)  | 95         |                 |
| claims   | 18         |                 |
| abstract   | 1          |                 |
| drawings   | _____      |                 |
| <b>Sub-total number of sheets</b>  | <b>120</b> |                 |
| sequence listings  | _____      |                 |
| tables related thereto   | _____      |                 |
| (for both, actual number of sheets if filed in paper form, whether or not also filed in computer readable form; see (c) below) | _____      |                 |
| <b>Total number of sheets</b>  | <b>120</b> |                 |
| (b) <input type="checkbox"/> only in computer readable form (Section 801(a)(i))  |            |                 |
| (i) <input type="checkbox"/> sequence listings   |            |                 |
| (ii) <input type="checkbox"/> tables related thereto   |            |                 |
| (c) <input type="checkbox"/> also in computer readable form (Section 801(a)(ii))   |            |                 |
| (i) <input type="checkbox"/> sequence listings   |            |                 |
| (ii) <input type="checkbox"/> tables related thereto   |            |                 |
| Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are contained the                                       |            |                 |
| <input type="checkbox"/> sequence listings: _____  |            |                 |
| <input type="checkbox"/> tables related thereto: _____   |            |                 |
| (additional copies to be indicated under items 9(ii) and/or 10(ii), in right column)   |            |                 |
| Figure of the drawings which should accompany the abstract:  |            |                 |
| Language of filing of the international application: ENGLISH   |            |                 |

## Box No. X SIGNATURE OF APPLICANT, AGENT OR COMMON REPRESENTATIVE

Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request).

Sarah A. Kagan  
Agent for the Applicants

(15.08.03)

|   |  |  |  |
|---|--|--|--|
| 1. Date of actual receipt of the purported international application:   |  | For receiving Office use only  |  |
|   |  | 1702 Rec'd PCT/PTO 15 AUG 2003   |  |
| 3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application: |  | 2. Drawings:<br><input type="checkbox"/> received:<br><input type="checkbox"/> not received: |  |
| 4. Date of timely receipt of the required corrections under PCT Article 11(2):  |  |  |  |
| 5. International Searching Authority (if two or more are competent): ISA/ US  |  | 6. <input type="checkbox"/> Transmittal of search copy delayed until search fee is paid      |  |

|   |  |  |
|---|--|--|
| For International Bureau use only                               |  |  |
| Date of receipt of the record copy by the International Bureau: |  |  |

# PCT

## FEE CALCULATION SHEET Annex to the Request

For receiving Office use only

PCT/US 03/25614  
International Application No.

Applicant's or agent's  
file reference 03482.00010

Date stamp of the receiving Office

15 AUG 2003

Applicant  
GENZYME CORPORATION, ET AL

### CALCULATION OF PRESCRIBED FEES

1. TRANSMITTAL FEE .....

240.00 T

240

2. SEARCH FEE .....

700.00 S

700

International search to be carried out by US

(If two or more International Searching Authorities are competent to carry out the international search, indicate the name of the Authority which is chosen to carry out the international search.)

3. INTERNATIONAL FEE

#### Basic Fee

Where item (b) and/or (c) of Box No. IX apply, enter Sub-total number of sheets

Where item (b) and (c) of Box No. IX do not apply, enter Total number of sheets } 120

b1

first 30 sheets .....

476.00 b1

b2

90 x 12.00 = 1,080.00 b2

number of sheets in excess of 30 fee per sheet

476

1080

b3

additional component (only if sequence listings and/or tables related thereto are filed in computer readable form under Section 801(a)(i), or both in that form and on paper, under Section 801(a)(ii)):

400 x \_\_\_\_\_ = b3  
fee per sheet

Add amounts entered at b1, b2 and b3 and enter total at B 1,556.00 B

1556

#### Designation Fees

The international application contains ALL designations.

5

number of designation fees x 104.00 = 520.00 D  
amount of designation fee payable (maximum 5)

520

Add amounts entered at B and D and enter total at I 2,076.00 I

2076

(Applicants from certain States are entitled to a reduction of 75% of the international fee. Where the applicant is (or all applicants are) so entitled, the

4. FEE FOR PRIORITY DOCUMENT (if applicable) .....

40.00 P

40

5. TOTAL FEES PAYABLE .....

3,056.00

TOTAL

3056

The designation fees are not paid at this time.

#### MODE OF PAYMENT

authorization to charge deposit account (see below)

postal money order

cash

coupons

cheque

bank draft

revenue stamps

other (specify):

#### AUTHORIZATION TO CHARGE (OR CREDIT) DEPOSIT ACCOUNT

(This mode of payment may not be available at all receiving Offices)

Receiving Office: RO/ US

Authorization to charge the total fees indicated above.

Deposit Account No.: 19-0733

(This check-box may be marked only if the conditions for deposit accounts of the receiving Office so permit) Authorization to charge any deficiency or credit any overpayment in the total fees indicated above.

Date: 15 August 2003

Authorization to charge the fee for priority document.

Name: Sarah A. Kagan

Signature: 